

2016 NPDES  
**SUMMARY OF EDDS REVISIONS**

January 22, 2016

The following is a summary of the EDDS revisions made in  
conjunction with the new NPDES regulations taking effect this date.

**Chapter 1 - General Considerations**

Section:

- 1-05 Revised description of EDDS provisions that must be processed as a modification or waiver per Chapters 30.63A (Drainage) or 30.63B (Land Disturbing Activity) SCC. Changed from “EDDS Chapter 5” (Drainage) to the “stormwater-related requirements” of EDDS.
- 1-07 Updated references, including adding the LID Technical Guidance Manual.

1-17 Added definitions for:

- best management practices (LID)
- best management practices (on-site stormwater management)
- bioretention
- dispersion
- effective impervious surface
- hard surface
- impervious surface
- land disturbing activity
- permeable pavement
- pervious surface
- pollution-generating impervious surface (PGIS)
- project site
- rain garden
- replaced hard surface
- stormwater facility

Modified definitions for:

- conveyance system
- drainage facility
- drainage manual
- low impact development (LID)
- new development
- redevelopment
- sidewalk
- walkway

**Chapter 3 - Road Design**

Section:

- 3-01.C Modified to allow fire lanes to be permeable pavement where feasible. Added load specifications for fire lanes, including outrigger loads.

Standard Drawings:

- 3-010 Removed reference to SD 5-280; updated clear zone reference in WSDOT Design Manual.
- 3-070 Removed reference to SD 5-280; updated EDDS text reference.
- 3-080 Removed reference to SD 5-280.

**Chapter 4 - Road Elements and Features**

Section:

- 4-05.A Modified to allow sidewalks to be permeable pavement where feasible.
- 4-05.C Modified to clarify thickness requirements for concrete and permeable pavement.
- 4-05.B Removed reference to “design guidance to ensure ADA compliance.”

- 4-09.A Modified to allow permeable pavement as a surfacing material where feasible. Added restriction that permeable pavement is not to be paved over with an impermeable material unless approved by the (County) Engineer. Removed limitation on use of permeable pavement in the right-of-way.
- Table 4-1 Revised descriptions of surfacing material requirements.
- 4-09.B Changed specification for a deficient subgrade from a CBR (California Bearing Ratio) of "less than 20" to "less than 10%."
- 4-09.5 Deleted this section on "permeable pavement," which is now covered in Chapter 11 (LID). Moved Standard Drawings 4-164, 4-166 and 4-168 to Chapter 11.

## **Chapter 5 - Drainage**

### Section:

- 5-01 Updated references to County Code chapters.
- 5-02 Updated Code references for erosion and landslide hazard areas.
- 5-03.B Added load specifications for culverts and conveyance pipes subject to vehicle loading.
- 5-04.A Changed "geotextile fabric" to "geosynthetic material" (throughout chapter).
- 5-05.H Added "rain gardens with underdrains" to list of facilities for roof drainage.
- 5-05.L Updated description of outfall discharge protection for pipes and culverts, including reference to the Drainage Manual.  
Added new Table 5-3, "Rock Protection at Outfalls," from the WSDOT Highway Runoff Manual.
- 5-05.M Updated description of energy dissipation and flow dispersion, including reference to the Drainage Manual. For dispersion devices: removed v-shaped notches, removed concrete curb sections as an option, and removed the restriction on using wood.
- 5-06.B Changed subsection title from "Geotextile Fabric" to "Geosynthetic Material."
- 5-10.A Added reference to the Drainage Manual for design information on detention ponds.
- 5-10.E Added preferred materials for flow splitters.
- 5-10.I Added load specifications for access roads to detention ponds.
- 5-11.A Added reference to the Drainage Manual for design information on infiltration ponds.
- 5-15.C Added load specifications for vaults in the right-of-way that are and are not subject to vehicle loads.
- 5-16.C Added load specifications for detention pipes/tanks in the right-of-way that are and are not subject to vehicle loads.
- 5-18.C Added load specifications for underground infiltration structures in the right-of-way that are and are not subject to vehicle loads.
- 5-19.C Added load specifications for closed vaults for oil/water separators in the right-of-way that are and are not subject to vehicle loads.

### Standard Drawings:

- 5-060 Revised per SWM.
- 5-080A Revised per SWM.
- 5-080B Deleted, concrete level spreader no longer an option.
- 5-080C Revised notes per SWM.
- 5-240A Removed alternate control structure outlet pipe. Increased boundary separation distances from 2 ft to 5 ft.
- 5-250A Revised per SWM.
- 5-250B Revised per SWM.
- 5-270B Revised reference to pipe support note on SD 5-270A. Increased minimum CB diameter from 54 inches to 72 inches.
- 5-270C Revised pipe support note references to SD 5-270A.
- 5-275 Corrected shear gate dimension and labels.

- Removed copies of WSDOT standard plans that are adopted for use in the County. Added a reference to the WSDOT webpage for the currently-effective standard plans.

## **Chapter 6 - Bridges**

### Section:

- 6-03.D Added load specifications for vehicular bridges.

## **Chapter 8 - Utilities and Other Right-of-Way Uses**

### Section:

- 8-04.A Added requirement that utility companies are responsible for protecting new underground utilities from impacts of infiltration from existing or proposed permeable pavement.  
Added requirement that project developers are responsible for protecting existing or proposed underground utilities from impacts of infiltration from proposed permeable pavement.
- 8-05.A Added permeable pavement to the road surfaces subject to the 3-year pavement cut restriction.  
Clarified that the 3-year restriction does not apply to chip seal surfaces.
- 8-05.C Clarified that permeable pavement is to be restored with the same permeable pavement, to an equivalent or better condition as determined by the (County) Engineer. Permeable pavement is not to be paved over with an impermeable material unless approved by the Engineer.

### Standard Drawings:

- 8-030 Added Note 10 regarding restoration of permeable pavement.

## **Chapter 11 - Low Impact Development (new)**

New chapter created to provide design guidance for LID BMPs in the right-of-way. Focus is on the primary BMPs for on-site stormwater management: dispersion, rain gardens, bioretention and permeable pavement.

### Section:

- 11-02.D Clarified that use of the WSDOT Highway Runoff Manual is limited to its minimum design requirements and BMPs for public road projects only.

### Standard Drawings:

- 11-010 Replaced specifications with reference to Section 11-02.J.
- 11-020 Replaced specifications with reference to Section 11-02.J.
- 11-030 Revised recommended grades for permeable pavement systems. Updated text reference.

## **Appendix A – EDDS Deviation Request Form**

Added “2016” to the list of EDDS editions for which the deviation form may be used. Made minor revisions to Instructions.

## **Appendix D - Vegetative Seed Mixes for Use in Public Right-of-Way (new)**

Added list of slow- and low-growing seed mixes to be used in stormwater BMPs in the public right-of-way to reduce maintenance expense.